

Title (en)

Method for determining the transmissivity of a bandage

Title (de)

Verfahren zur Bestimmung der Durchlässigkeit eines Verbands

Title (fr)

Procédé pour déterminer la transmissivité d'un pansement

Publication

EP 1395338 B1 20101222 (EN)

Application

EP 02744387 A 20020617

Priority

- US 0219147 W 20020617
- US 29879001 P 20010615
- US 30080301 P 20010625
- US 31674401 P 20010831
- US 33472201 P 20011031

Abstract (en)

[origin: WO02102419A2] Methods and apparatus for sterilizing or disinfecting a region through a bandage. One embodiment of the invention is directed to a method, comprising acts of determining the transmissivity of at least a portion of a bandage to ultraviolet light, and selecting an intensity of ultraviolet light to be applied through at least a portion of the bandage. Another embodiment of the invention is directed to a method of sterilizing or disinfecting a region underneath a bandage on a patient. A further embodiment of the invention is directed to an apparatus for sterilizing or disinfecting a region of tissue of a patient. The apparatus comprises an ultraviolet light-emitting lamp and a bandage adapted to transmit at least some of the ultraviolet light emitted by the lamp. Another embodiment of the invention is directed to a bandage, comprising an ultraviolet light-transmissive film, and a color-changing material coupled to the film to indicate an exposure of the film to ultraviolet light.

IPC 8 full level

A61N 5/06 (2006.01); **A61F 13/00** (2006.01); **A61L 2/10** (2006.01); **A61M 25/00** (2006.01); **A61B 19/00** (2006.01)

CPC (source: EP US)

A61L 2/0047 (2013.01 - EP US); **A61L 2/10** (2013.01 - EP US); **A61M 25/00** (2013.01 - EP US); **A61M 39/16** (2013.01 - EP US); **A61N 5/0624** (2013.01 - EP US); **A61B 90/50** (2016.02 - EP US); **A61M 2025/0019** (2013.01 - EP US); **A61M 2039/167** (2013.01 - EP US); **A61N 2005/0645** (2013.01 - EP US); **A61N 2005/0661** (2013.01 - EP US)

Cited by

US2020229909A1

Designated contracting state (EPC)

DE ES FR GB IT

DOCDB simple family (publication)

WO 02102419 A2 20021227; **WO 02102419 A3 20030731**; AU 2002344752 A1 20030102; CA 2447881 A1 20021227; CA 2447881 C 20140211; CN 1531449 A 20040922; DE 60238677 D1 20110203; EP 1395338 A2 20040310; EP 1395338 A4 20050921; EP 1395338 B1 20101222; EP 2295112 A1 20110316; JP 2005508664 A 20050407; JP 2009261957 A 20091112; JP 4790982 B2 20111012; JP 5148560 B2 20130220; US 2003017073 A1 20030123; US 2003018373 A1 20030123; US 2003031586 A1 20030213; US 2004034398 A1 20040219; US 6730113 B2 20040504; WO 02102418 A2 20021227; WO 02102418 A3 20031030

DOCDB simple family (application)

US 0219147 W 20020617; AU 2002344752 A 20020617; CA 2447881 A 20020617; CN 02811520 A 20020617; DE 60238677 T 20020617; EP 02744387 A 20020617; EP 10180227 A 20020617; JP 2003505004 A 20020617; JP 2009136645 A 20090605; US 0219098 W 20020617; US 17312902 A 20020617; US 17313502 A 20020617; US 17313702 A 20020617; US 64189403 A 20030815